

FY 1973 RDT&E DESCRIPTIVE SUMMARY

Date: January 1972

Program Element # 12431F Title Defense Support Program  
Category Strategic Forces Budget Activity 4-Military Astronautics and Related Equipment

BACKGROUND: The Defense Support Program (DSP)

DESCRIPTION: When fully operational the program will deploy satellites

program. Dedicated ground stations, will support the  
in the FY 1972 President's Budget.

RELATED ACTIVITIES: Program

WORK PERFORMED BY: TRW, Redondo Beach, California is responsible for the spacecraft. Aerojet  
Electrosystems Company, Azusa, California is responsible for the Western Develop-  
ment Laboratories/Philco Ford, Palo Alto, California, is responsible for the user display segment,  
data acquisition and communications systems. Aerojet Electrosystems and IBM, Westlake, California,  
are responsible for the software development. The Martin Company, Denver, Colorado, is responsible  
for the TITAN IILC booster. The Atomic Energy Commission (Sandia Corporation), is responsible for  
personnel (Aerospace Corporation). There are 130 direct professional scientific and engineering in-house  
Space and Missile Systems Organization (SAMSO), Los Angeles,  
California has management responsibility for the DSP program.

Budget Activity: A-Military Astronautics and Related Equipment  
Program Element (Budget Subactivity): 12431F Defense Support Program (Cont'd)

PROGRAM ACCOMPLISHMENTS AND FUTURE PLANS:

1. FY 1971 and Prior Accomplishments: Program provided for four Phase I spacecraft, four Phase II spacecraft, eight TITAN IIIC boosters, data processing facilities, and display equipment for designated users.

Contractual  
action was initiated to procure four Phase II satellites which are designed for longer life and will have improved

2. FY 1972 Program:

Construction  
of the ground station has been finished and checkout is nearing completion in preparation for a satellite launch. A training facility, located at Lowry Air Force Base, Colorado, will also be used for DSP software development and as a laboratory for data processing. The facility can be modified to serve as a backup ground station to receive, process and transmit data from the satellite. Aerospace Defense Command is scheduled to assume operational control of the entire system.

3. FY 1973 Planned Program:

Various modifications to increase system reliability, availability and survivability are also being considered.

Budget Activity: 4-Military Astronautics and Related Equipment  
 Program Element (Budget Subactivity): 12431F Defense Support Program (Cont'd)

4. Program to Completion: This is a continuing program.

MILESTONES

EVENT

DATE


RESOURCES: (\$ in Millions)

	<u>FY 1971 &amp; Prior</u>	<u>FY 1972</u>	<u>FY 1973</u>	<u>Additional to Completion</u>	<u>Total Est Cost</u>
RDT&E Funds	337.1	31.6	21.7	128.9	519.3
Procurement:					
Funds	298.7	144.5	199.3	554.5	1197.0
Military Construction Funds	15.9	0	0	NA	NA
Mil/Civ Man-Yrs in Spt of R&D (SPO and SPO Spt)	151	184	184	NA	NA